

SFP-100Base

100 Mb/s Fast Ethernet SFP transceiver family

DESCRIPTION

The SFP-100Base are fully compliant with the latest industrial SFP Multi-Source Agreement (MSA). They support data rates in a wide range of 100~155.520 Mbps and can be used in datacom or FTTx applications. The modules are hot pluggable and can transmit over 2 km of MM fiber, 10 km, 40 km, 80 km and 160 km of SM fiber.

APPLICATIONS

- 100Base Ethernet
- FTTx

FEATURES

- Up to 2 km transmission on MM fiber
- Up to 160km transmission on SM fiber
- Hot-Pluggable SFP footprint
- Optical LC interface for fiber pair operation
- Industrial operating temperature -40 °C to 85 °C



LASER SAFETY

This transceiver is a Class 1 laser product. It complies with IEC-60825 and FDA 21 CFR 1040.10 and 1040.11. The transceiver must be operated within the specified temperature and voltage limits. The optical ports of the module need to be terminated with an optical connector or a dust plug.

OPTICAL PARAMETERS

Part no.	Fiber type	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
SFP-100Base-FX	MM	1300	-15 to -8	-28 to -8	13
SFP-100Base-SX	MM	850	-10 to -3	-24 to -3	14
SFP-100Base-LX	SM/MM	1310	-15 to -8	-29 to -10	14
SFP-100Base-EX	SM	1310	-5 to 0	-32 to -10	27
SFP-100Base-ZX	SM	1550	-5 to 0	-33 to -10	28
SFP-100Base-L160D	SM	1550	1 to 6	-36 to -10	37

ORDERING INFORMATION

Part no.	Description
SFP-100Base-FX	SFP, 100/155Mbps FE , 1300nm, MM, 13dB, 2km
SFP-100Base-SX	SFP, 100/155Mbps FE , 850nm, MM, 14dB, 2km
SFP-100Base-LX	SFP, 100/155Mbps FE , 1310nm, SM/MM, 14dB, 10km
SFP-100Base-EX	SFP, 100/155Mbps FE , 1310nm, SM, 27dB, 40km
SFP-100Base-ZX	SFP, 100/155Mbps FE , 1550nm, SM, 28dB, 80km
SFP-100Base-L160D	SFP, 100/155Mbps FE , 1550nm, SM, 37dB, 160km